Building Climate Change Resilience
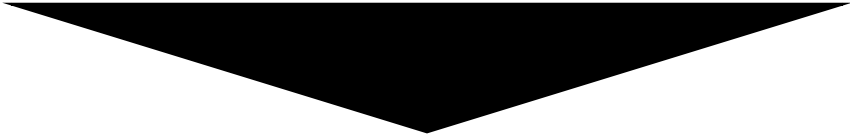
California Climate Change

Research Conference

Sept 10, 2008

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RF Building Climate Change Resilience Initiative

The Rockefeller Foundation **Climate Change Initiative** will catalyze attention, funding, and action in building climate change resilience for poor and vulnerable people globally by:

- Creating robust action models of climate change resilience for poor and vulnerable people
- Funding, promoting, and disseminating those models
- Increasing pressure on funders, practitioners, and policy-makers to support increased funding and action for climate change resilience for poor and vulnerable people
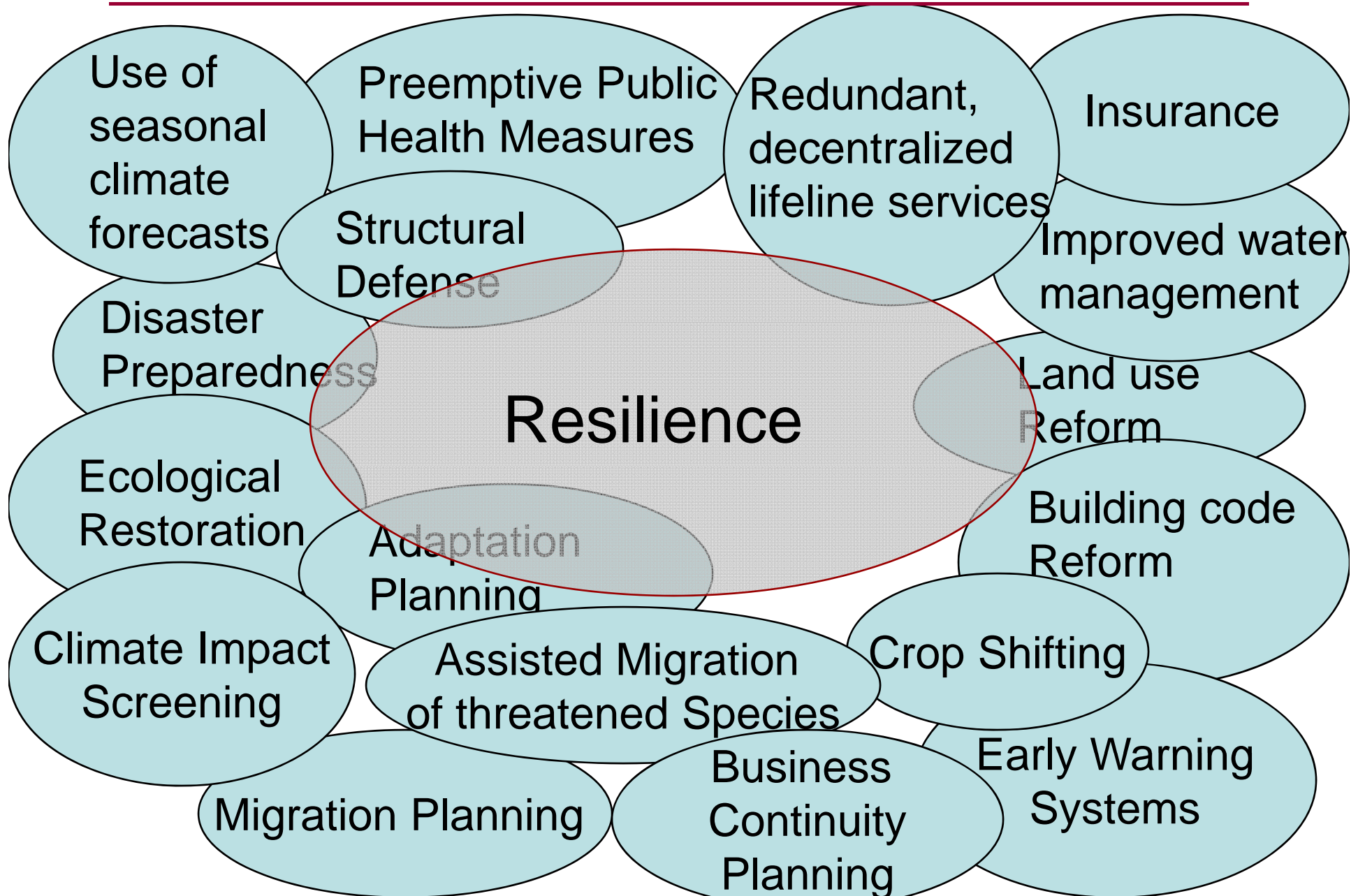
- Asian Cities
- African Agriculture
- US policy and city resilience

Building Climate Resilience

Building capacity to prevent or withstand shocks, rebuild and respond to change, and surprises.

- Stop practices that put people at high risk

- Incorporate climate change information into planning, practice, and decision-making

- Implement measures that pro-actively reduce climate impacts

- Develop informed risk spreading practices

Practical Measures

Use of seasonal climate forecasts

Preemptive Public Health Measures

Redundant, decentralized lifeline services

Insurance

Structural Defense

Improved water management

Disaster Preparedness

Resilience

Land use Reform

Ecological Restoration

Adaptation Planning

Building code Reform

Climate Impact Screening

Assisted Migration of threatened Species

Crop Shifting

Migration Planning

Business Continuity Planning

Early Warning Systems

Asian Cities Climate Change Resilience Network

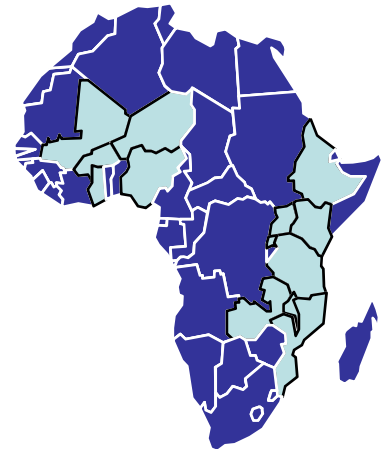Objectives:

Experiment, test and demonstrate a range of actions to build climate change resilience in cities.

Build a base of lessons learned, failures, and successes that can be replicated.

Measurably improve climate change resilience in selected cities

Agricultural Resilience in Africa

> Develop better integration of climate change science and agricultural development practice in Africa.

> Experiment with technical interventions, market interventions, and capacity building for policy makers and academics.

> Bring successful interventions to scale.

African Climate Resilience

- **Data**
  - Stockholm Environment Institute Study on the use of climate change data in agricultural development in Africa
  - Data Integration: Supporting Stanford University Research combining crop models with climate models to develop a fact base to prioritize agricultural research investments.
- **Capacity Building**
  - Support integrated training of PhD and MS students on climate change resilience in a network of Eastern and Southern African Institutions through RUFORUM.
  - Support of capacity building workshops at the IGAD Climate Prediction and Applications Centre (ICPAC) and the African Economic Research Consortium
- **Water resources**
  - Supporting a scoping study around specific opportunities in water management
- **Livestock**
  - Supporting a scoping study around specific opportunities in livestock management
- **Forestry**
  - Support of Carbon and Poverty Reduction activities of the Clinton Foundation
  - University of Copenhagen / ICRAF study creating digital forest vegetation map of 7 African countries

US Climate Change Resilience

• Working with the Urban Leaders Initiative on Climate Change Adaptation to help 10 local governments implement climate change resilience projects, policies, and plans.

•Develop climate change resilience policy options to insure that US adaptation needs and international adaptation funding are incorporated into future climate change legislation and funding streams.

THE ROCKEFELLER FOUNDATION

Questions?

Climate Change Resilience Team

Maria Blair, Team Leader

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